

RAW SEQUENCE LISTING

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Application Serial Number: 101756,813
Source: IFW0
Date Processed by STIC: 06/22/2005

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RAW SEQUENCE LISTING

DATE: 06/22/2005

PATENT APPLICATION: US/10/756,813

TIME: 10:56:10

Input Set : N:\Crf3\RULE60\10756813.raw

Output Set: N:\CRF4\06222005\J756813.raw

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1 <110> APPLICANT: HALKIER, TORBEN
2     PEDERSEN, ANDERS HJELHOLT
3     OKKELS, JENS SIGURD
4     ANDERSEN, KIM VILBOUR
5 <120> TITLE OF INVENTION: METHOD FOR PREPARING MODIFIED POLYPEPTIDES
6 <130> FILE REFERENCE: 31-105900US
7 <140> CURRENT APPLICATION NUMBER: US/10/756,813
8 <141> CURRENT FILING DATE: 2004-01-12
9 <150> PRIOR APPLICATION NUMBER: US/09/611,234
10 <151> PRIOR FILING DATE: 2000-07-06
11 <150> PRIOR APPLICATION NUMBER: 60/189,503
12 <151> PRIOR FILING DATE: 2000-03-15
13 <150> PRIOR APPLICATION NUMBER: 60/160,693
14 <151> PRIOR FILING DATE: 1999-10-21
15 <150> PRIOR APPLICATION NUMBER: 60/207,793
16 <151> PRIOR FILING DATE: 2000-05-30
17 <160> NUMBER OF SEQ ID NOS: 22
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 163
22 <212> TYPE: PRT
23 <213> ORGANISM: Staphylococcus aureus
24 <400> SEQUENCE: 1
25     Met Leu Lys Arg Ser Leu Leu Phe Leu Thr Val Leu Leu Leu Leu Phe
26         1             5             10             15
27     Ser Phe Ser Ser Ile Thr Asn Glu Val Ser Ala Ser Ser Ser Phe Asp
28         20             25             30
29     Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser Tyr Phe Glu Pro Thr
30         35             40             45
31     Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val Asp Gly Lys Gly Asn
32         50             55             60
33     Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro Ile Lys Pro Gly Thr
34         65             70             75             80
35     Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val Glu Trp Ala Leu Asp
36         85             90             95
37     Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu Leu Asp Pro Ser Ala
38         100            105            110
39     Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys Lys Lys Glu Glu Thr
40         115            120            125
41     Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val Val Pro Asp Leu Ser
42         130            135            140
43     Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile Thr Lys Val Val Ile
44         145            150            155            160

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45      Glu Lys Lys
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 136
49 <212> TYPE: PRT
50 <213> ORGANISM: Staphylococcus aureus
51 <400> SEQUENCE: 2
52      Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser
53      1          5          10          15
54      Tyr Phe Glu Pro Thr Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val
55      20          25          30
56      Asp Gly Lys Gly Asn Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro
57      35          40          45
58      Ile Lys Pro Gly Thr Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val
59      50          55          60
60      Glu Trp Ala Leu Asp Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu
61      65          70          75          80
62      Leu Asp Pro Ser Ala Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys
63      85          90          95
64      Lys Lys Glu Glu Thr Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val
65      100         105         110
66      Val Pro Asp Leu Ser Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile
67      115         120         125
68      Thr Lys Val Val Ile Glu Lys Lys
69      130         135
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 136
73 <212> TYPE: PRT
74 <213> ORGANISM: Staphylococcus aureus
75 <400> SEQUENCE: 3
76      Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser
77      1          5          10          15
78      Tyr Phe Glu Pro Thr Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val
79      20          25          30
80      Asp Ser Lys Gly Asn Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro
81      35          40          45
82      Ile Lys Pro Gly Thr Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val
83      50          55          60
84      Glu Trp Ala Leu Asp Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu
85      65          70          75          80
86      Leu Asp Pro Ser Ala Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys
87      85          90          95
88      Lys Lys Glu Glu Thr Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val
89      100         105         110
90      Val Pro Asp Leu Ser Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile
91      115         120         125
92      Thr Lys Val Val Ile Glu Lys Lys
93      130         135
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 42

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97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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104 <210> SEQ ID NO: 5
105 <211> LENGTH: 42
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
110 <400> SEQUENCE: 5
111      aaaaagggcg atgacgcgag taagtttgaa ccaacaggcc cg      42
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 42
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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123 <211> LENGTH: 42
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
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128 <400> SEQUENCE: 7
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132 <211> LENGTH: 66
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
137 <400> SEQUENCE: 8
138      cggaattctt atttcttttc tataacaacc tttgtaatta agttgaactt agggttttta 60
139      atatgc      66
141 <210> SEQ ID NO: 9
142 <211> LENGTH: 66
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
147 <400> SEQUENCE: 9
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149      atatgc      66
151 <210> SEQ ID NO: 10

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152 <211> LENGTH: 66
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154 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
157 <400> SEQUENCE: 10
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159      atatgc 66
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 66
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
167 <400> SEQUENCE: 11
168      cggaattcctt atttcttttc tataacaacc tttgtcttta agttgaatcc aggggttttta 60
169      atatgc 66
171 <210> SEQ ID NO: 12
172 <211> LENGTH: 66
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
177 <400> SEQUENCE: 12
178      cggaattcctt atttcttttc tataacaacc tttgtaatta agttgaatcc aggggttttta 60
179      atatgc 66
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 69
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
187 <400> SEQUENCE: 13
188      ccaagcgcta agatcgaagt cacttattat gataataaag aagaaacgtc tttccctata 60
189      acagaaaaa 69
191 <210> SEQ ID NO: 14
192 <211> LENGTH: 29
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
197 <400> SEQUENCE: 14
198      cggaattcctt atttcttttc tataacaac 29
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 1377
202 <212> TYPE: DNA
203 <213> ORGANISM: Staphylococcus aureus
204 <400> SEQUENCE: 15
205      gtatacgcgc tggaacatta atatatgtgt ttgaaattat agatggttgg tgtcgcattt 60

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206 attggaacaa tcataatgag tggatatggc atgagagatt gattgtgaaa gaagtgtttt 120
207 aattccttagg ttaaaatgtt aaatatattgt taattatttt tgaatgtaag tttagtttct 180
208 tttaatatatt tattgatttt taatatatttc tcaatataaaa atgaagttgt tgatatttat 240
209 catcttaaat aagggtgtta gctataaaaa gagataaata aaaacaaata tattatatatt 300
210 ggaggaagcg ccatgctcaa aagaagttta ttatttttaa ctgtttttatt gttattattc 360
211 tcatttttctt caattactaa tgaggtaagt gcatcaagtt cattcgacaa aggaaaatat 420
212 aaaaagggcg atgacgcgag ttattttgaa ccaacaggcc cgtatttgat ggtaaagtgt 480
213 actggagttg atggtaaagg aaatgaattg ctatcccctc attatgtcga gtttcctatt 540
214 aaacctggga ctacacttac aaaagaaaaa attgaatact atgtcgaatg ggcattagat 600
215 gcgacagcat ataaagagtt tagagtagtt gaattagatc caagcgcaaa gatcgaagtc 660
216 acttattatg ataagaataa gaaaaaagaa gaaacgaagt ctttcctat aacagaaaaa 720
217 ggttttgttg tcccagattt atcagagcat attaaaaacc ctggattcaa ctttaattaca 780
218 aaggttgtta tagaaaagaa ataaaacaaa atagttgttt attatagaaa gtaatgtctt 840
219 gattgaatat gtgtagttaa attatctttc atcaaattct cattcatgca cgaatggttc 900
220 tgccccacct aatcagatat taggtgactt atggggagaa atcagttaga atgacatagt 960
221 catgtctatt taagcagggtg cgttacacac ctgatgtcta ttacattta aagataaaat 1020
222 gtgctattat ttactagaa ctttttaaca tttctctcaa gatttaaag tagataacag 1080
223 gcaggtaacta cgtacttgc ctgttttttt atgttatagc tagccttcgg gcagtttttg 1140
224 ttatgatgcg ttacacacgc atcaactatt cacacctatc tttgttcacc taagcatgtc 1200
225 actgggtgtt tttttcttac gatagagagc atagttttca tactactccc cgtagtatat 1260
226 atgactttag cattcccgtt taacagttta cggggtgctt tttatgttat acttactttt 1320
227 atatagtagg agtgactat atagctggtc agaggctgta tatctgactg ttggtcc 1377

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229 <210> SEQ ID NO: 16

230 <211> LENGTH: 6

231 <212> TYPE: PRT

232 <213> ORGANISM: Artificial Sequence

233 <220> FEATURE:

234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

235 peptide tag

236 <400> SEQUENCE: 16

237 His His His His His His

238 1 5

240 <210> SEQ ID NO: 17

241 <211> LENGTH: 8

242 <212> TYPE: PRT

243 <213> ORGANISM: Artificial Sequence

244 <220> FEATURE:

245 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

246 peptide tag

247 <400> SEQUENCE: 17

248 Met Lys His His His His His His

249 1 5

251 <210> SEQ ID NO: 18

252 <211> LENGTH: 10

253 <212> TYPE: PRT

254 <213> ORGANISM: Artificial Sequence

255 <220> FEATURE:

256 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

257 peptide tag

VERIFICATION SUMMARY

DATE: 06/22/2005

PATENT APPLICATION: US/10/756,813

TIME: 10:56:11

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